DMS400TH

Dishwasher
user manual

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features of your new samsung dishwasher

Your new Samsung Dishwasher will change the way you feel about doing dishes. From its large capacity to its energy efficiency, your new Samsung dishwasher has all the features to make your chores much less mundane.

1. Powerful 3 washing spray arms spraying 6 ways

Your Samsung dishwasher has 3 spray arms - top, upper, and lower arms.
All 3 of the 2-way washing spray arms powerfully spray cleaning water in a total of 6 directions to improve the washing performance.

2. Elegant design with digital touch sensors

Digital touch sensors are used in the control panel for more simple operation, with a touch of elegance.

3. Quadruple filter system

The quadruple filter system and the food filtration device crushes food remains from the dishes, glasses, cooking pots and cutlery inside the dishwasher into small particles. Since food remains are crushed by stainless blades, then filtrated, collected and picked out by the draining cycle, you do not need to worry about any food remains inside bowls and dishes. Your Samsung dishwasher has the best filtration performance of dishwashers in its class.

This manual contains important information regarding the use and care of your new Samsung dishwasher. Refer to it for descriptions of the control panel, instructions on how to use the dishwasher, and tips for making the most of its state-of-the-art features and technologies. The cycle chart in the “Program overview” section offers an overview of the different cycles and the “Troubleshooting” section tells you what to do if something goes wrong.

Condensing dry technology

- Saves energy by drying the dishes using the remaining heat after the last rinse cycle.
- Clean and safe. No hot steam is emitted during the drying cycle.

Do not wash the following items

WARNING

- **Acrylic, Aluminum**: Dishes with printed gold rim decoration may become discolored.
- **Dishes treated with adhesive**: Treated plastics, wood, ivory, copper and tin may come loose.
- **Plastics with a temperature tolerance less than 90 °C** : Thin plastics wash and dry poorly, and may be damaged due to elevated wash temperatures.
- **Tin**: Tin should be washed by hand and dried immediately as it may rust.
- **Wooden utensils**: Wooden items may crack.

WARNING When using the dishwasher, try to arrange the dishes properly as described in the “Loading the top and bottom baskets” section.

- You should remove food remains such as bones, fruit seeds, etc. and any other kind of waste such as toothpicks, paper, etc. from the dishes as these may cause damage to the dishes, create noise, or even a product malfunction.
- Select the appropriate cycle depending on the level of soil and the type of dishes.
- Use only the proper amount of detergent and rinsing agent.

UserManual-DMS400TH_EN-Australia.indd 2 2010-07-01 6:16:56

safety information

Throughout this manual, you'll see Warning ⚠ and Caution ⚠ notes. These important safety instructions do not cover all possible situations that might occur. It is your responsibility to use and caution when installing, maintaining, and operating your dishwasher. Samsung will not be liable for damages resulting from improper use.

IMPORTANT SAFETY INSTRUCTIONS

What the icons and signs in this user manual mean :

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death**.
CAUTION	Hazards or unsafe practices that may result in **personal injury or property damage**.
CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your dishwasher, follow these basic safety precautions:

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicity.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.

WARNING - When using the dishwasher, follow basic precautions, including the following:

Read all instructions before using the dishwasher.

As with any equipment using electricity, water and moving parts, potential hazards exist.

To safely operate this appliance, familiarize yourself with its operations and exercise care when using it.

Install and level your dishwasher on an uncarpeted floor that can support its weight.

Your dishwasher must be properly grounded. Never connect it to an ungrounded outlet.

See the "Meeting installation requirements" section for more information on grounding your dishwasher.

Use the dishwasher only for its intended function.

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UserManual-DMS400TH_EN-Australia.indd 3 2010-07-01 6:16:56

safety information

Use only detergents or rinse agents recommended for use in a dishwasher, and keep them out of the reach of children.

After unpacking the dishwasher, keep the packaging out of the reach of children.

Locate sharp items so that they do not damage the door seal.
Knives and other utensils with sharp points must be loaded in the basket with their points facing downwards or placed in a horizontal position.

Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent thereof.
For plastic items that are not marked in this way, check the manufacturer’s recommendations.

Do not operate the dishwasher unless all enclosure panels are properly in place.

Do not tamper with the controls.

Do not abuse, sit, or stand on the door, lid, or dish baskets of the dishwasher.

Do not put pressure on the door when it is open as this may damage the dishwasher or result in injury.

Take care when opening the door, as hot water may splash onto your hand.

Do not install this dishwasher under the power outlet or place the extension cord on the dishwasher.

Do not expose the unit to rain or moisture.

Do not expose the dishwasher to direct sunlight.

To reduce the risk of injury, do not allow children to play in or on the dishwasher.

To reduce the risk of fire or explosion:

- Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using the dishwasher turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

Disconnect the power cord (or disconnect the circuit breaker) before servicing your dishwasher.

Do not allow children to play in or on the dishwasher. They may harm themselves or damage the dishwasher.

Do not repair, replace, or service any part of your dishwasher yourself. Disassembly, repairs and modifications are permitted by authorized service technicians only. Work done by an unauthorized person may void your warranty.

Before disposing of your dishwasher, remove the door of the washing compartment or the door latch so that children or small animals do not get trapped inside.

Do not add any solvents into the dishwasher as this may result in an explosion.

Do not use industrial detergent.

Do not add dishwashing detergent into the rinse compartment.

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UserManual-DMS400TH_EN-Australia.indd 4 2010-07-01 6:16:56

In particular, keep the detergent dispenser dry when using the delay start function as it may become clogged up.

The dishwasher is extremely heavy. Do not attempt to move or carry the dishwasher by yourself. Two or more people are needed to move a dishwasher and avoid potential injuries.

If the power cord or plug is damaged, do not repair it yourself. Call a qualified person from the manufacturer or service company.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

Check the power supply, the water supply connection, and operate the product to check for malfunctions and water leaks when operating the installed product.

The appliance door should always be closed as this could allow people to walk into it.

This appliance is intended for domestic use, but can be used in similar locations such as:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.

The power plug must be accessible after the installation.

After the dishwasher is installed, check that the drain hose is properly connected and that there is no leakage from the hose connectors. If the drain hose is loose, it may cause property damage.

The aqua stop is susceptible to breakage. As time goes by, it becomes less flexible. Check the line periodically. If it is swollen, torn, cut or there is a water leak, replace it immediately.

Do not put gasoline, solvents, or other flammable materials inside the dishwasher. Do not wash dishes exposed to these materials.

Keep your dishwasher detergent out of the reach of children. Detergent has an adverse effect on human organs. It contains elements for polishing and is corrosive. Avoid letting the detergent come into contact with your skin and eyes.

Do not install the dishwasher near electrical components. Keep the dishwasher away from open flames.

If the dishwasher is left unused for an extended period of time, turn off the water supply.

This dishwasher is intended for residential use only.

Some dishwasher detergents are strongly alkaline. They can be extremely dangerous if swallowed. Avoid contact with the skin and eyes and keep children away from the dishwasher when the door is open. Check that the detergent receptacle is empty after completion of the wash cycle.

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UserManual-DMS400TH_EN-Australia.indd 5 2010-07-01 6:16:57

Child care

- To ensure your children's safety, use the Child Lock function while using this appliance. For detailed information about the Child Lock function, refer to the description about the Child Lock button in the "Control panel" section.
- Do not allow children to play with or operate the appliance.
- Keep children away from detergents and rinse aid. These may result in asphyxiation or chemical burns to the mouth, throat or eyes.
- Keep children away from the open dishwasher. The water in the rinsing compartment is not drinking water and could contain detergent residue.
- If the appliance is installed at eye-level, ensure that children are not caught or crushed between the appliance door and the cupboard door when opening and closing the door.

MEETING INSTALLATION REQUIREMENTS

Electrical supply and grounding

To prevent unnecessary risk of fire, electrical shock, or personal injury, all wiring must be grounded. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

CAUTION Never use an extension cord.

When preparing for installation, ensure that your power supply offers:

- An individual circuit serving only your dishwasher

Your dishwasher must be grounded. If your dishwasher malfunctions or breaks down, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current.

WARNING Never connect the ground wire to plastic plumbing lines, gas lines, or hot water pipes.

Water supply

Your dishwasher will fill properly when your water pressure is 0.05 ~ 0.8 MPa. Water pressure less than 0.05 MPa may result in a water supply valve failure, which does not allow the water supply valve to shut off completely. Alternatively, it may take the dishwasher longer to fill than allowed by the controls, resulting in the dishwasher turning off. (A filling time limit, designed to prevent overflowing/flooding if an internal line becomes loose, has been built into the controls.)

- Ensuring that water faucets are easily accessible.
- Turning off faucets when the dishwasher is not in use.
- Periodically checking for leaks on the aqua stop fittings.
- We recommend cold water connection only.

WARNING Before using your dishwasher for the first time, check all connections on the water supply valves and faucets for leaks.

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UserManual-DMS400TH_EN-Australia.indd 6 2010-07-01 6:16:57

Flooring

For best performance, your dishwasher must be installed on a solidly constructed floor.
Never install your dishwasher on a platform or poorly supported structure.

Your dishwasher must be properly installed in accordance with the Installation Guide before it is used. If you did not receive an Installation Guide with your dishwasher, you can receive one by visiting our website at www.samsung.com.

BEFORE USING YOUR DISHWASHER

WARNING

Tipping-Over Hazard

- Do not use the dishwasher until it is correctly installed.
- Do not push down on an open door.
- Do not place excessive weight on the open door.
- Do not connect the power cord before it is fully installed.

Electric Shock Hazard

Failure to follow these instructions can result in death, fire or electric shock:

- Electrically ground the dishwasher
- Do not use an extension cord.
- Do not install the dishwasher in front of the power outlet.

When the power cord needs to be replaced, please call a Samsung Service technician.

CONNECTING THE AQUA STOP

WARNING

The aqua stop must not be bent, crushed or entangled when being connected.
Connect the threaded hose fitting on the aqua stop to a tap with an external thread (3/4 inches).
The aqua stop is fitted with either a plastic or a metal nut:

- Tighten the nut by hand only.
  Then perform a visual check for any water leaks (Make sure that the tap is not dripping).

NORMAL USE

WARNING

The aqua stop is an electrical part.
Therefore, do not damage the aqua stop or cut off the hose of the aqua stop.
If the aqua stop is damaged, immediately pull out the power plug to turn off the power.

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UserManual-DMS400TH_EN-Australia.indd 7 2010-07-01 6:16:57

contents

SETTING UP YOUR DISHWASHER 9

9 Unpacking your dishwasher
9 Checking parts
(Refer to the “Detailed part names and images” section)
10 Adjusting the level
10 Power source
11 Connecting the hose
12 Control panel
14 Program selector
14 Display

USING YOUR DISHWASHER 15

15 Adjusting the angle of the plate supports
16 Adjusting the height of the top basket
16 Handling the top and bottom baskets
17 Loading the top and bottom baskets
18 Using the cutlery basket
19 Using the detergent & rinse aid dispenser

PROGRAMS 21

21 Program overview

CLEANING AND MAINTAINING YOUR DISHWASHER 22

22 Cleaning the exterior
22 Cleaning the interior
22 Cleaning the nozzles
23 Cleaning the filter
23 Storing your dishwasher

TROUBLESHOOTING 24

24 Check these points if your dishwasher…
26 Information codes

APPENDIX 27

27 Detailed part names and images
28 Helping the environment
28 Specifications
29 Notice about recycling
29 Declaration of conformity

UserManual-DMS400TH_EN-Australia.indd 8 2010-07-01 6:16:57

setting up your dishwasher

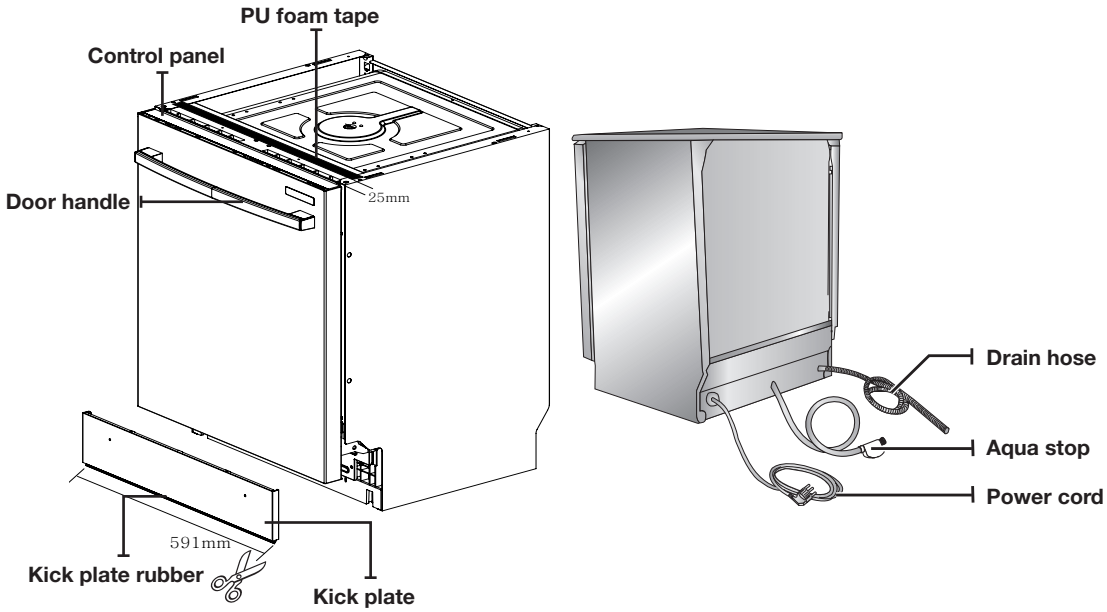
Be sure to have your installer follow these instructions closely so that your new dishwasher works properly and that you're not at risk of injury when washing dishes.

UNPACKING YOUR DISHWASHER

- Once your new dishwasher has been delivered to you, carefully unpack it and check for any damage. If the dishwasher has been damaged, make note of it on the waybill and keep a copy. Do not install the dishwasher, and call your Samsung Service Centre referring to the back of the cover.
- If there is no damage to the product, you can proceed with the installation. If you are going to install it yourself, make sure to read through the installation guide and follow the directions inside.
- After unpacking your dishwasher, keep the packaging out of the reach of children to ensure their safety.

CHECKING PARTS (Refer to the "Detailed part names and images" section)

When your dishwasher has been unpacked, make sure you've received all the parts shown below.
If your dishwasher was damaged during shipping, or if you do not have all the parts, contact **Samsung Service Center referring to the back of the cover.**

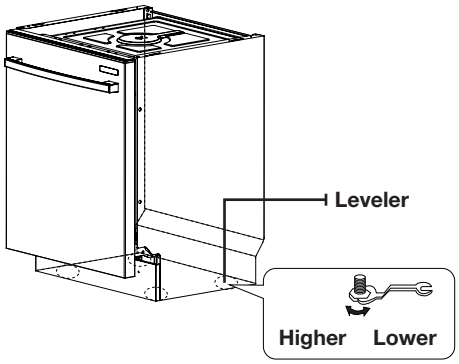


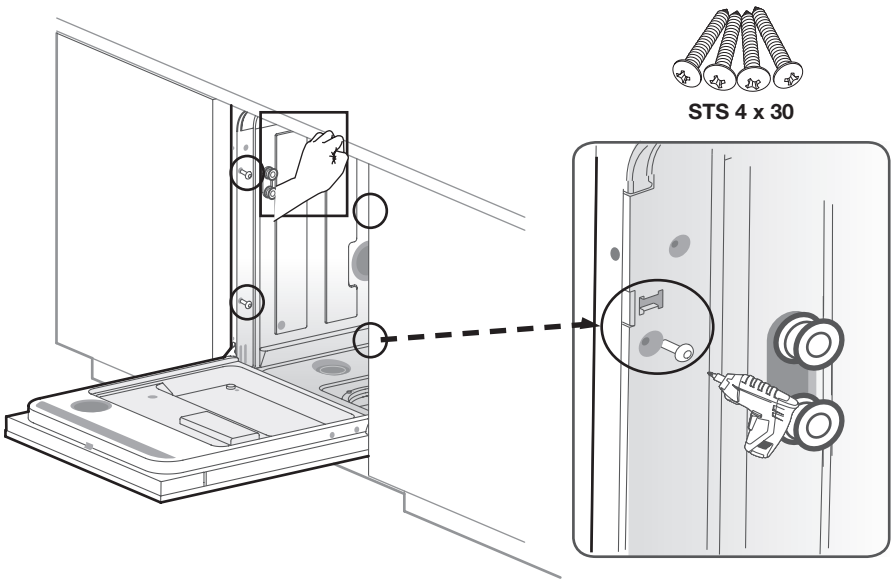
UserManual-DMS400TH_EN-Australia.indd 9 2010-07-01 6:16:57

setting up your dishwasher

ADJUSTING THE LEVEL

Unfasten the adjusting nuts of the legs.
Rotate the legs to adjust the height.
If the ground surface is too uneven, please contact a qualified service technician.





POWER SOURCE

This product operates on a AC 220 ~ 240 V / 50 Hz power source.

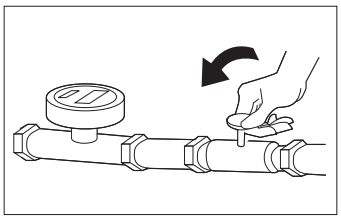
UserManual-DMS400TH_EN-Australia.indd 10 2010-07-01 6:16:57

CONNECTING THE HOSE

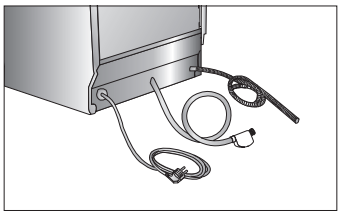
- Connect the appliance to the water mains using a new set of hoses. Do not reuse the old hoses.

Water supply

1. Turn off the water supply.



2. Fasten the aqua stop to the inlet connector tightly.

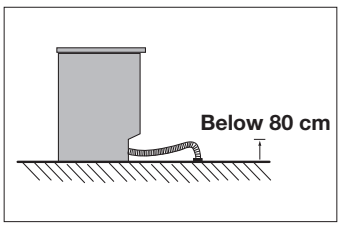


3. Turn on the water supply.

Drain hose

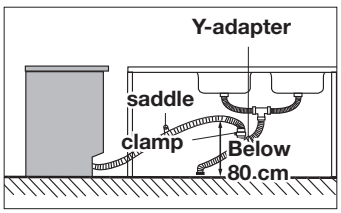
1. If you use only the drain hose for drainage, place and install it below 80 cm from the ground.

WARNING If the drain hose is installed higher than 80 cm, dirty water may flow back or a significant amount of dirty water may remain inside the dishwasher.



2. If you are sharing one drain pipe for the draining both the dishwasher and the sink, connect the drain hose of the dishwasher to the Y-adapter as shown in the figure below.

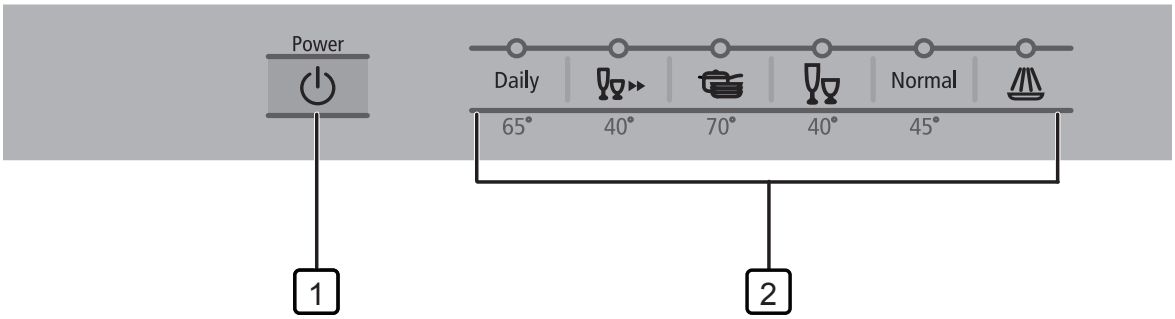
WARNING Do not install the Y-adapter higher than 80 cm from the ground. This may result in dirty water flowing back or a significant amount of dirty water remaining inside the dishwasher.



UserManual-DMS400TH_EN-Australia.indd 11 2010-07-01 6:16:57

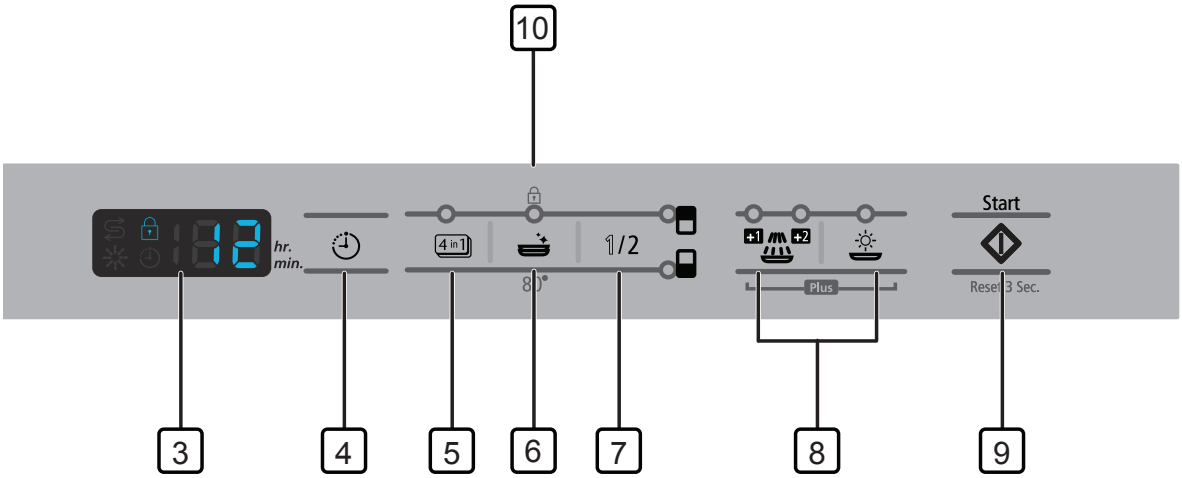
setting up your dishwasher

CONTROL PANEL



1 **POWER**	When pressed, all indicator lights turn on and off and the most recently finished program light is lit. When the dishwasher is running and a selected program has finished, 'En' is displayed and the power turns off automatically.
2 **PROGRAM SELECTOR**	You can select the appropriate wash program depending on the soil level of your dishes. When a program is selected, the indicator for that program lights up.
3 **DISPLAY**	Displays the remaining wash time, the wash information (Delay start, Rinse refill, Child lock), and error messages. If an error occurs during an operation, an error message is displayed with a warning sound. Refer to the information on page 30.
4 **DELAY START**	Use the **Delay Start** button to preset the start time. The indicator changes each time the button is pressed. The delay start time can be adjusted from 1 hour to 24 hours.
5 **4 in 1**	If you want to use multi-functional detergent such as "2 in 1", "3 in 1", and "4 in 1" detergent, select a program and then press this button. (The 4 in 1 function is only available when selecting the Daily, Normal, Pots&Pans, Crystal and Quick programs.) Though the "Rinse Refill" indicator is lit while the 4 in 1 function is activated, you do not have to add rinse detergent to the rinse aid dispenser.
6 **STERILIZATION**	Press this button to use the sterilization function by increasing the heat by 80 degrees during the final rinse cycle. This function is only available when selecting the Daily, Pots&Pans, Normal, courses or the 4 in 1 function.
7 **1/2**	For small loads, only use the top or bottom basket to save energy. Pressing the button cycles between selecting the top or bottom basket.

UserManual-DMS400TH_EN-Australia.indd 12 2010-07-01 6:16:57



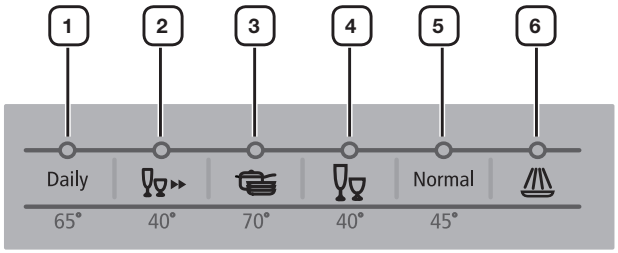
8 **PLUS**	Use the **Plus** button to add the drying and rinse cycles to the original course. If the program has already started, this button is deactivated.
9 **START/RESET**	Press this button to start the selected program. When the door is opened while the dishwasher is operating, the Pause function is activated. If you want to reset the selected program, open the door and press the **Start/Reset** button for 3 seconds.
10 **CHILD LOCK**	The Child Lock function allows you to lock the buttons so that the wash cycle you've chosen can't be changed. If you want to activate or deactivate the Child Lock function, press the **Sterilization** button for 3 seconds. All buttons will be locked and "L" will be displayed when this feature is activated.

- A wash program must be selected only before starting an operation, and the selected program can not be changed during an operation.
- If you want to change the program after starting an operation, open the door and press the **Start/Reset** button for 3 seconds to reset the selected program .Then, change the program.
- As this dishwasher is a built-in model, you cannot use any buttons while the door is closed. To use any of the buttons, first open the door.
- Each time you press the **PLUS** button, the indicator icon will flash in the following sequence: "Additional Rinse +1 (7 min)" → "Additional Rinse +2 (14 min)" → "Additional Rinse +1, Additional Dry (37 min)" → "Additional Rinse +2, Additional Dry (44 min)" → "Additional Dry (30 min)".
  The total processing time will increase as much as the selected additional function.
  - For the Normal program, the processing time will increase by 5, 10, 20 minutes and back to 10 minutes in sequence.
  - For the Quick program, the "Additional Dry" option is not available so the total processing time will remain unchanged.
  - For the Prewash program, the PLUS option will be disabled.

UserManual-DMS400TH_EN-Australia.indd 13 2010-07-01 6:16:58

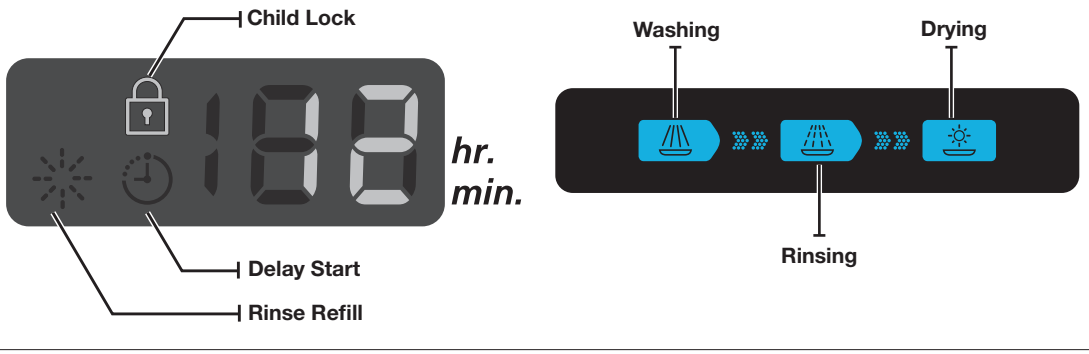
setting up your dishwasher

PROGRAM SELECTOR



1 **DAILY**	Use this program for highly soiled dinner dishes.
2 **QUICK**	Use this program for lightly soiled dishes. Detergent is dispensed **but no dry cycle is initiated**.
3 **POTS & PANS**	Use this program for hard-to-clean, heavily soiled dishes, pots and pans, and dishes with heavy oil.
4 **CRYSTAL**	Use this program for normally soiled dishes or fragile items such as glasses.
5 **NORMAL**	Use this program for normaly soiled crockery.
6 **PREWASH**	To improve the cleaning efficiency, keep dishes soaked in water before washing the dishes.

DISPLAY



1. When Delay Start or Child Lock are selected, the respective indicators are lit.
2. When “Rinse Refill” remains lit, there is no rinse aid in the dispenser and you should refill the rinse aid dispenser.
3. If the door is opened while a cycle is in progress, the remaining time will flash.

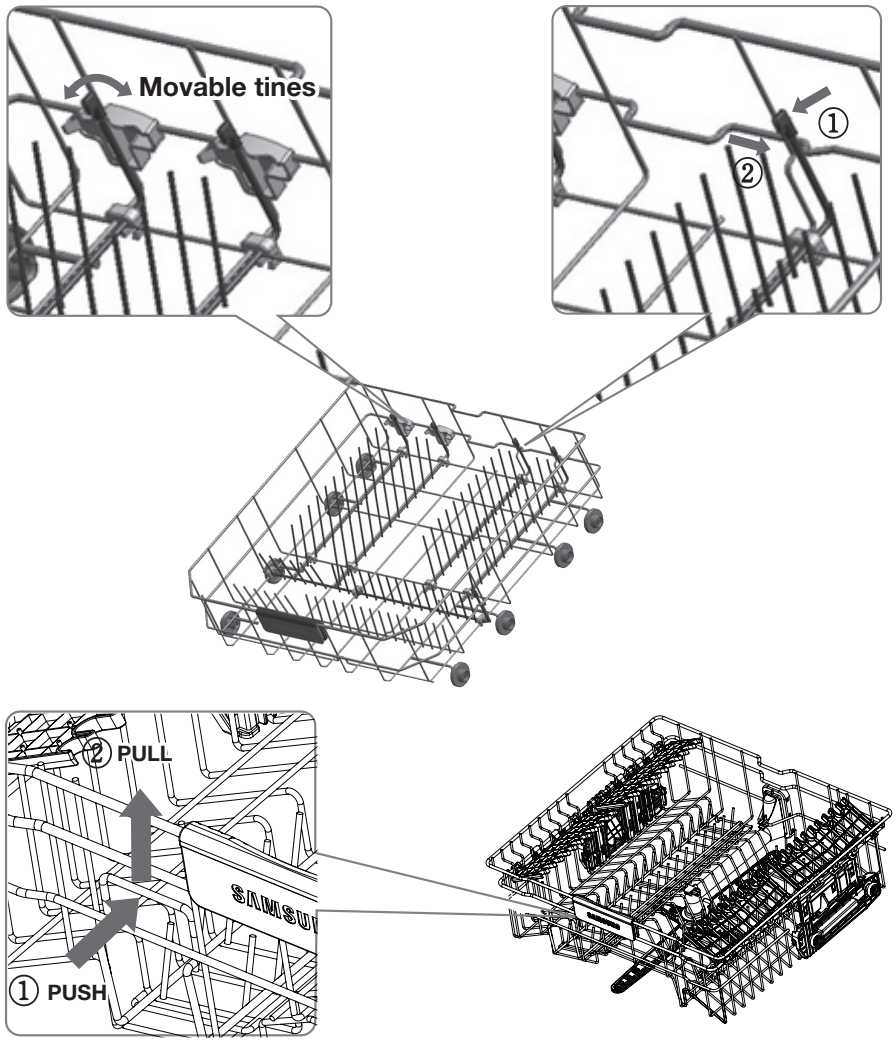
UserManual-DMS400TH_EN-Australia.indd 14 2010-07-01 6:16:58

ADJUSTING THE ANGLE OF THE PLATE SUPPORTS

The foldable plate spikes in the top and bottom baskets allow you to adjust the angle of the tines up to five different levels according to the size and shape of the dishes. To adjust the angles, see the illustrations below.

In the bottom basket, the plate support can be folded to make room for large items such as pots and pans.

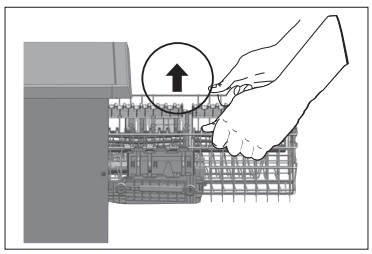
In the top basket, the plate support can also be folded.



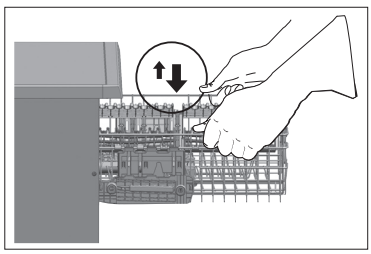
UserManual-DMS400TH_EN-Australia.indd 15 2010-07-01 6:16:59

ADJUSTING THE HEIGHT OF THE TOP BASKET

This Samsung dishwasher uses a basket able to accommodate large-sized plates. By adjusting the height of the top basket, you can make room for different sized dishes. You can place dinner plates with a diameter of 36 cm in the bottom basket and plates up to 30 cm. in diameter in the top basket.



- Hold the sides of the top basket at the top and lift up vertically.



- Hold the sides of the top basket at the top and push down vertically.

CAUTION We recommend adjusting the height of the top basket before loading dishes into the basket, as the dishes may be damaged.

HANDLING THE TOP AND BOTTOM BASKETS

See the illustrations below for handling the top and bottom baskets.

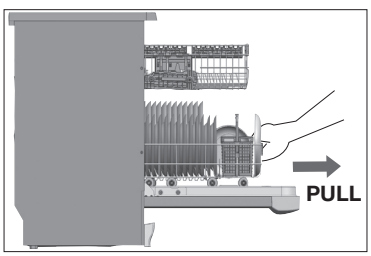
Please do not pull out the top and bottom baskets at the same time when both baskets are filled with dishes.

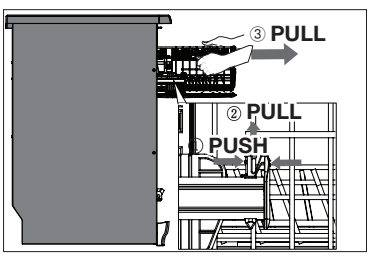
Gently lift up the bottom basket and pull it out of the door. Then, draw out the top basket to the end of the guide rail.

You can adjust the height of the top basket according to the overall height of the dishes in the bottom basket.

The maximum adjustable height is 5 cm

CAUTION While the top basket is removable, it must be installed for the dishwasher to operate properly. If you attempt to operate the dishwasher without the basket installed, noise will occur and the dishwasher will perform poorly.





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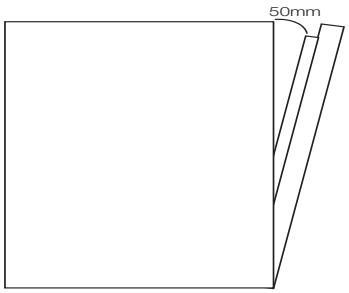
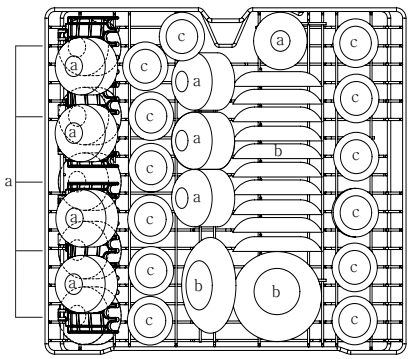
LOADING THE TOP AND BOTTOM BASKETS

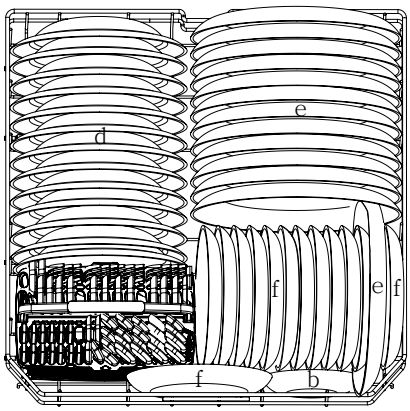
The figures below show the proper way to load the baskets based on the AS/NZS 2007.

- Capacity: 13 place setting
- Position top basket: Top
- Program: Normal 45°**C**
- Additional options: None
- Rinse-aid setting: 6
- Reference detergent: 30 g (Main wash 25 g + Prewash 5 g)
- For drying performance test the door should be opened upon completion of the drying cycle a distance of 50mm.





Top basket



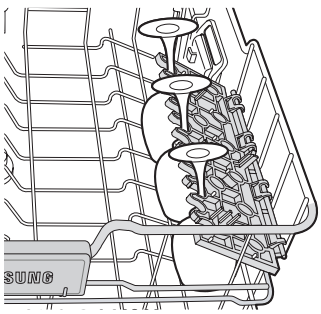
Bottom basket

a. Tea cups (Tea)
b. Saucers (Margarine)
c. Glasses (Tomato juice)

d. Soup plates (Egg, Infant cereal, Tinned spinach)
e. Dinner plates (Egg, Infant cereal, Tinned spinach)
f. Dessert dishes (Egg, Infant cereal, Tinned spinach)

Using the cup shelf

You can load cups or glasses into the cup shelf. This is also very convenient for washing wine glasses. You can place wine glasses onto the pegs of the cup shelf. You can fold the cup shelf back when it is not being used.



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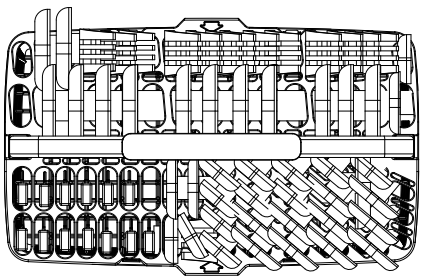
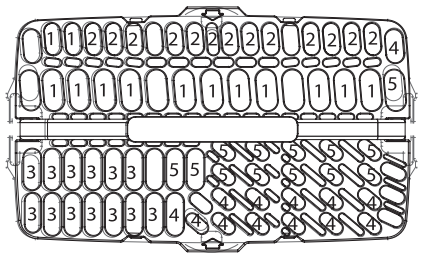
USING THE CUTLERY BASKET

The cutlery basket consists of three compartments.
Each knife, spoon, or fork can be placed separately into the spoon stand to prevent chipping and discoloration.

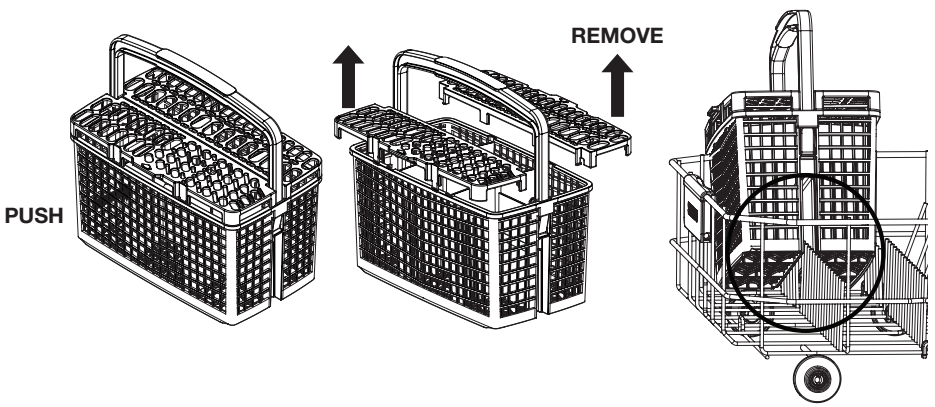
DO NOT let any item extend through the bottom.





1 Soup spoon	2 Fork	3 Knife
4 Tea spoon	**5 Dessert spoon**	

The cutlery basket can be used with the cover either open or removed. Refer to the illustrations below to remove the cover. Take care not to break the plastic latch.

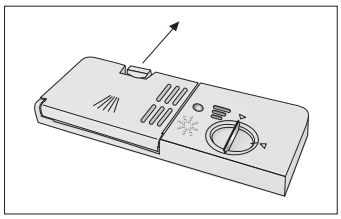


UserManual-DMS400TH_EN-Australia.indd 18 2010-07-01 6:17:02

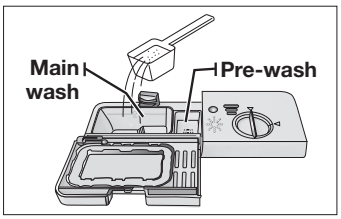
USING THE DETERGENT & RINSE AID DISPENSER

Filling the detergent dispenser

1. Pull the latch to open the dispenser. (The cover is always opened at the end of a washing program.)



2. Add 25 g detergent to the Main wash compartment and add 5 g to the Pre-wash compartment, and close the cover,.



Using the detergent

- Detergent should be added into the detergent compartment before starting each program (except for the prewash program).
- The proper amount of detergent leads to the best performance.

WARNING Use only special detergent designed for automatic dishwashers. (Ordinary handwashing detergent should not be used, as the foam can interfere with the proper operation).

WARNING The detergent used is a special dishwasher detergent and like all household chemicals should be treated as toxic and kept out of the reach of children.

WARNING Clean any detergent or substance on the sealing part of the cover as the cover may become stuck.

Using the multi-functional tablet detergent

If you wish to use the multi-functional tablet detergents such as “2 in 1”, “3 in 1”, “4 in 1” etc...

- Press the **4 in 1** button on the control panel.
- Before the start of the dishwashing cycle, place the tablet detergent in the detergent dispenser.

The cover opens automatically to dispense the detergent during the wash.

The numbers in the detergent dispenser refer to grams.

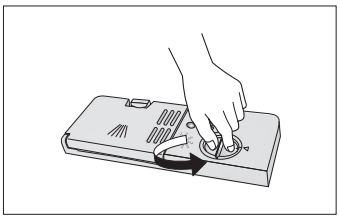
UserManual-DMS400TH_EN-Australia.indd 19 2010-07-01 6:17:02

Filling the rinse aid dispenser

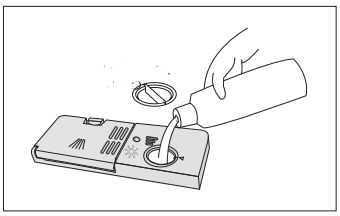
Your dishwasher has been designed to use liquid rinse aid.

The use of a rinse aid greatly improves the drying performance during the drying cycle.

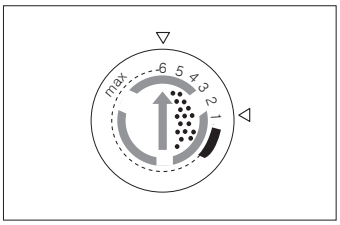
1. Push and turn the dispenser knob counterclockwise to open the cover.



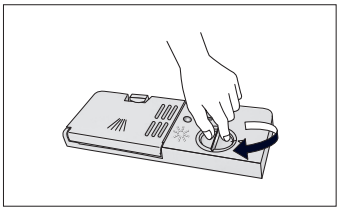
2. Pour rinse aid into the opening until the indicator points to “max”. Avoid overfilling the dispenser.



3. Adjust the amount of rinse aid released during the rinse operation.
You can adjust the amount over six levels (1~6). The greater the number, the larger the amount of rinse aid released. The factory default is 6.
When the rinse dispenser is filled, it is good for about 40 washes.
If you feel uncomfortable adjusting the leveler, using a couple of coins will make your adjustments easier.



4. Close the cover.
Turn the dispenser knob clockwise.



CAUTION We strongly recommended using only liquid rinse aid.

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PROGRAM OVERVIEW

Soil level	Utensils and cutlery highly soiled	Normal wash program	For heavily soiled crockery with stubborn leftovers	For washing glassware	For lightly soiled and crockery	Keep dishes soaked
Amount of food remains	A lot	A lot	A lot	A little		Very little
Wash program	Daily 65 °C	Normal 45 °C	Pots & Pans 70 °C	Crystal 40 °C	Quick 40 °C	Prewash
Washing time	101 min	132 min	137 min	72 min	28 min	7 min
Program sequence	Prewash Room temp.	Prewash Room temp.	Prewash 40 °C	Prewash Room temp.	Wash 40 °C	Prewash Room temp.
	Wash 65 °C	Wash 42 °C	Wash 70 °C	Wash 40 °C	1st Rinse	End
	1st Rinse	1st Rinse	1st Rinse	1st Rinse	Main Rinse 50 °C	
	2nd Rinse	Main Rinse 45 °C	2nd Rinse	Main Rinse 55 °C	End	
	Main Rinse 70 °C	Dry	Main Rinse 75 °C	Dry	Keep Dry	
	Dry	End	Dry	End		
	End		End	Keep Dry		
	Keep Dry		Keep Dry			

- The wash time may vary depending on the added steps.
- The wash time may vary depending on the water pressure, draining conditions, and the temperature of the supplied water.
- Using the Keep Dry process, you can improve the drying performance. If you want to unload dishware, you can open the dishwasher.
- The Prewash course does not require detergent.

UserManual-DMS400TH_EN-Australia.indd 21 2010-07-01 6:17:02

cleaning and maintaining your dishwasher

Keeping your dishwasher clean improves its performance, reduces unnecessary repairs, and lengthens its life.

CLEANING THE EXTERIOR

It's best to clean spills on the outside of your dishwasher as they occur. Use a soft damp cloth on the control panel to gently wipe away spills and dust. Do not use benzene, wax, thinner, chlorine bleach, or alcohol. These materials may discolor the inner walls and may cause stains. Do not clean the dishwasher by sprinkling water over it and avoid water coming into contact with any of the electrical parts.

If your dishwasher has a stainless steel door panel, it can be cleaned with a stainless steel cleaner for Home Appliances or similar product using a clean, soft cloth.

CLEANING THE INTERIOR

Clean the interior of your dishwasher periodically to remove any dirt or food particles. Wipe the inside of the dishwasher and the inner part of the door with a wet dishcloth. We recommend running the dishwasher periodically (using a Quick program with the Sterilization option) with an empty load after inserting dishwasher detergent. This will keep your dishwasher clean.

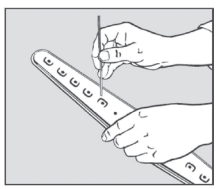
If white spots and odor are still present in your dishwasher, run the Quick program without loading dishes until it flushes, then interrupt the cycle and add 200 g cup of white vinegar solution into the bottom basket and finish the cycle. Do not use detergent.

CAUTION Do not remove the Seal tub front (the long rubber seal enclosing the opening of the dishwasher).

CLEANING THE NOZZLES

If the cleaning performance of your dishwasher is continually low or the nozzles seem clogged, you can clean each of the nozzles. When removing the spray arm, take care as they may break.

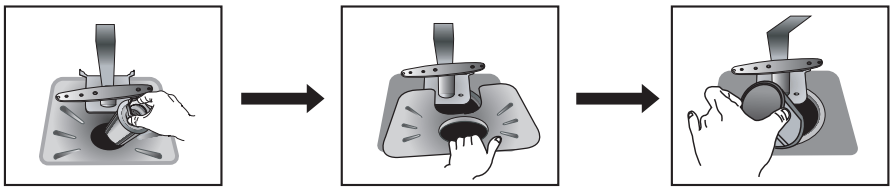
Lower spray arm



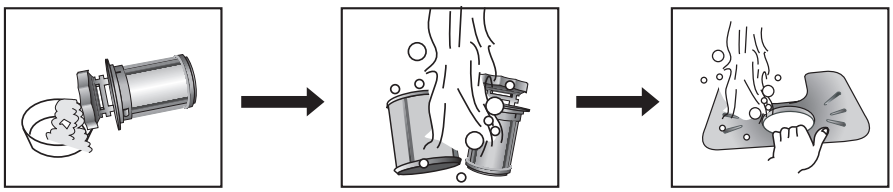
1. Use a sharp object such as a toothpick to remove leftovers from the spray arm.
2. Remove the bottom basket.
3. Pull the lower spray arm firmly upwards to remove it.
4. Use a pointed object such as a toothpick to push food particles into the spray arm jets.
5. Rinse thoroughly under running water.
6. Return the spray arm and check that it rotates freely.

UserManual-DMS400TH_EN-Australia.indd 22 2010-07-01 6:17:03

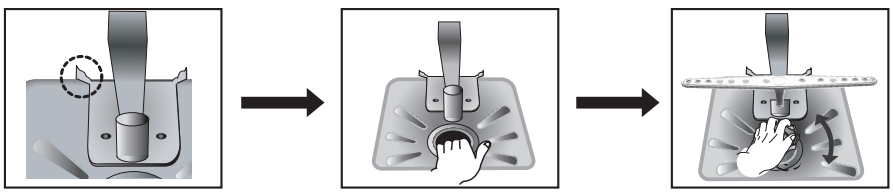
CLEANING THE FILTER



1. Rotate the filter cap in an anti-clockwise direction to release the coarse filter.
2. Remove the fine filter (rectangular).
3. Remove the outer filter (circle).



4. Rinse the coarse, fine and outer filters under running water.



5. Insert the filters into the tub and turn the filter cap clockwise to fix it.

STORING YOUR DISHWASHER

If you need to store your dishwasher for an extended period of time, first drain and disconnect it, as your dishwasher may be damaged if water is left in the hoses and internal components before storing it.

After draining and disconnecting the dishwasher, be sure to turn off the water supply valve and circuit breaker.

UserManual-DMS400TH_EN-Australia.indd 23 2010-07-01 6:17:05

troubleshooting

CHECK THESE POINTS IF YOUR DISHWASHER…

PROBLEM	POSSIBLE CAUSE	SOLUTION
Will not start.	The door is not closed completely. The **Start/Reset** button is not selected.	Check that the door is latched and closed completely. Press the **Start/Reset** button before closing the door.
	No program is selected.	Select a program.
	The power cord is not connected.	Connect the power cord.
	The water supply does not work.	Check that the water supply valve is open.
Has a bad odor.	There is water left over from the last cycle.	Insert detergent without loading dishes, and run the Daily program to clean the dishwasher.
Has water remaining after the program has finished.	The drain hose is folded or clogged.	Straighten the hose.
Has food particles remaining on dishes.	An inappropriate program has been selected.	Select a program according to the number and soil level of the dishes, as directed in this manual.
	The filter is contaminated.	Clean the filter.
	No dishwashing detergent is being used.	Use a automatic dishwasher detergent.
	The pressure of the supplied water is low.	The proper pressure of the supplied water should be 0.05 ~ 0.8 MPa.
	One of the nozzles is clogged.	Clean the nozzle.
	The dishes are improperly loaded.	Rearrange the dishes so they do not interfere with the spray arm and the dispenser operation.
Does not dry dishes well.	There is no rinse aid in the dispenser.	Check the dispenser and add rinse aid.

UserManual-DMS400TH_EN-Australia.indd 24 2010-07-01 6:17:05

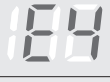
PROBLEM	POSSIBLE CAUSE	SOLUTION
Leaves an oily film on the dishes. The dishes are not clean enough.	The amount of detergent is incorrect.	Supply the appropriate amount of automatic dishwasher detergent.
	Too many dishes have been loaded.	Load only an appropriate number of dishes.
	Dishes are loaded incorrectly.	Load your dishes as recommended (refer to the “Loading the top and bottom baskets” section).
	The pressure of the supplied water is insufficient.	The proper pressure of the supplied water is 0.05 ~ 0.8 MPa.
	Improper detergent is being used.	Use an automatic dishwasher detergent.
	There is no rinse aid.	Check the dispenser and add rinse aid.
Is too noisy.	Sound is generated when the dispenser cover is open. Sound is generated when the drain pump is operating at an early stage.	This is a normal operation.
	The dishwasher is not level.	Ensure that the dishwasher is level.
	There is a ‘chopping’ sound because a nozzle is bumping against the dishes.	Rearrange the dishes.
Leaves glasses with a dim polish.	The supplied water is soft and too much detergent is being supplied.	Underload the dishwasher and use a rinse aid to minimize this.
Leaves black or gray marks on the dishes.	Aluminum dishes have been loaded.	Remove the marks on the dishes using a low sensitivity cleaner.
Leaves a yellow or brown film on the inside of the dishwasher.	This occurs from coffee and tea soils.	Remove the soils using a spot cleaner.
Does not have any lamps lit.	The power is not connected.	Connect the power cord.
Does not have a smoothly rotating spray arm.	The nozzle hole is clogged with food particles.	Clean the nozzle hole.
Has a bent top basket after loading dishes.	The dishes are not loaded properly.	Load your dishes as recommended (refer to the “Loading the top and bottom baskets” section).

UserManual-DMS400TH_EN-Australia.indd 25 2010-07-01 6:17:05

troubleshooting

INFORMATION CODES

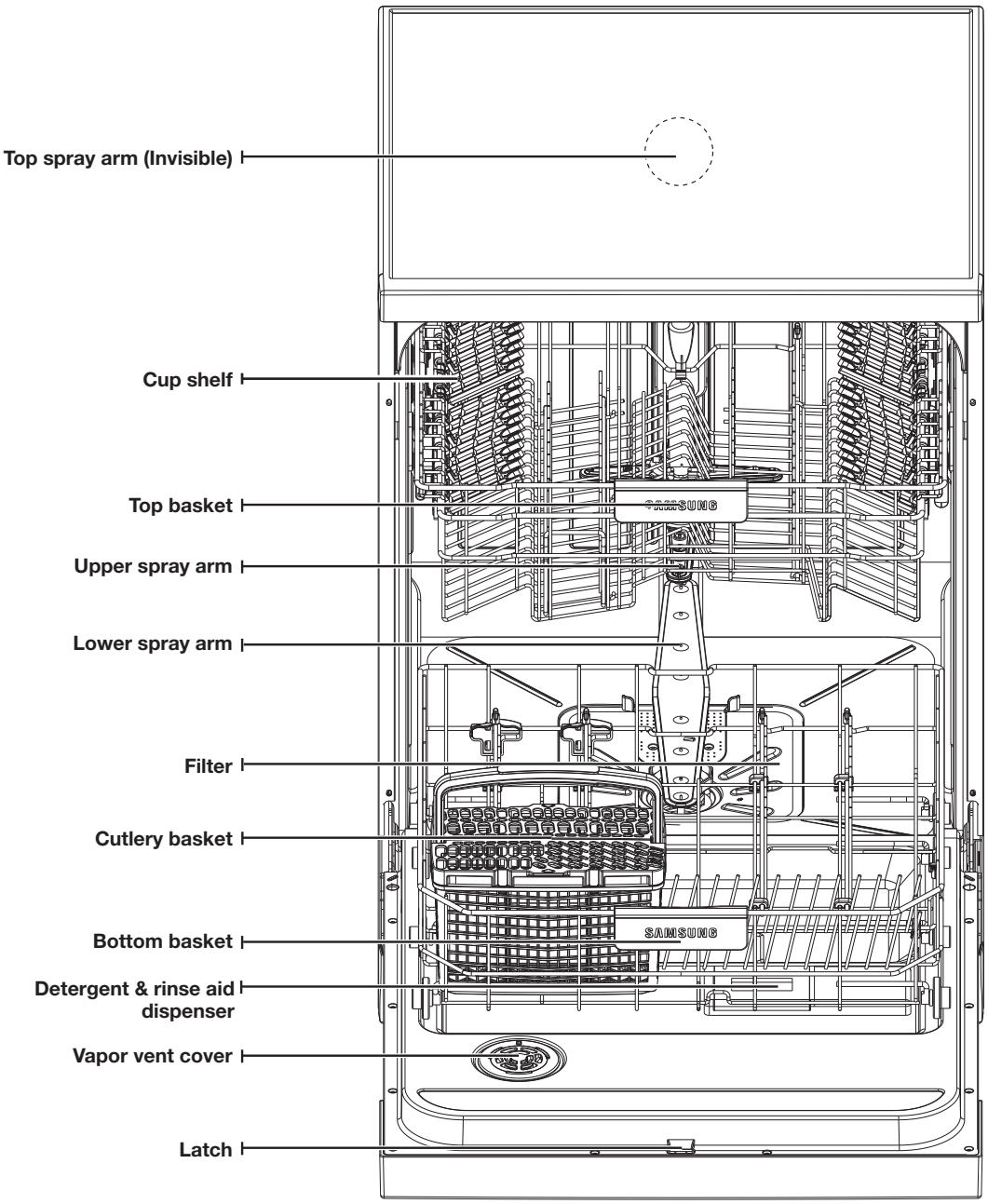
Information codes are displayed to help you better understand what is occurring with your dishwasher. If any of the codes below occur, you should select the Reset option and follow the respective instruction.

CODE SYMBOL	MEANING	SOLUTION
	The door is not closed completely	Close the door.
	Water supply error	Make sure the water supply is on. Make sure the aqua stop is not twisted. Make sure the water pressure is not too low.
	Water draining error	Check the drain hose and the draining route.
	Hot water supply	Check the temperature of the water supply.
	Function error (Except F2)	Before requesting service, unplug the power supply and turn the water valve off.
	A communications error between the display PCB and the main PCB	Call the service center.
	Switch error	Restart the appliance.
	Temperature sensor problem	Before requesting service, unplug the power supply and turn the water valve off.

For the more detailed information about the error codes, or if the suggested solution doesn't fix the problem, call your Samsung Service Centre referring to the back of the cover.

UserManual-DMS400TH_EN-Australia.indd 26 2010-07-01 6:17:05

DETAILED PART NAMES AND IMAGES



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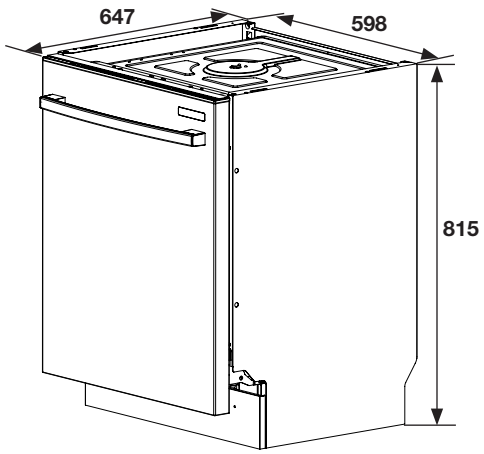
appendix

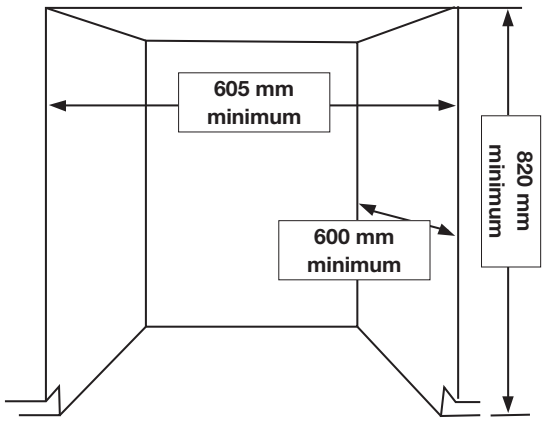
HELPING THE ENVIRONMENT

- Your dishwasher is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cable so that the appliance cannot be connected to a power source.
- Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.

SPECIFICATIONS

Model	**DMS400TH**		
Type	Dishwasher	**Wash capacity**	13 place setting
Power	AC 220 ~ 240 V / 50 Hz	**Wash temperature**	Normal 42 °C
Wash type	Rotating nozzle spray	**Rinse temperature**	Normal 45 °C
Dry type	Condensation drying system for energy recycling	**Standard amount of used water**	Normal 13.0 ℓ
Used water pressure	0.05 ~ 0.8 MPa	**Number of wash programs**	Standard 6 programs
Dimensions (Width × Depth × Height)	Built-in/Built-under	598 × 647 × 815 mm	
Rated power usage	2000 ~ 2200 W		
Weight	Unpacked 47 kg / Packed 56 kg		





- Reference drawing for the installation (Built-in or built-under type)

UserManual-DMS400TH_EN-Australia.indd 28 2010-07-01 6:17:09

NOTICE ABOUT RECYCLING

WARNING

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!

DECLARATION OF CONFORMITY

This product complies with the requirements of the directives
EMC-Directive 2004/108/EC
Low Voltage Directive 2006/95/EC

UserManual-DMS400TH_EN-Australia.indd 29 2010-07-01 6:17:09

note

note

Questions or Comments?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
BELGIUM	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com
DENMARK	70 70 19 70	www.samsung.com
FINLAND	030 - 6227 515	www.samsung.com
FRANCE	01 48 63 00 00	www.samsung.com
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
LUXEMBURG	261 03 710	www.samsung.com
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
NORWAY	815-56 480	www.samsung.com
POLAND	0 801 1SAMSUNG(172678) 022-607-93-33	www.samsung.com
PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com
SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com
SPAIN	902 - 1 - SAMSUNG (902 172 678)	www.samsung.com
SWEDEN	0771 726 7864 (SAMSUNG)	www.samsung.com
U.K	0845 SAMSUNG (7267864)	www.samsung.com
SWITZERLAND	0848 - SAMSUNG (7267864, CHF 0.08/min)	www.samsung.com/ch www.samsung.com/ch_fr (French)
AUSTRALIA	1300 362 603	www.samsung.com
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com
TURKEY	444 77 11	www.samsung.com
SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com
U.A.E / IRAN	800-SAMSUNG (726-7864)	www.samsung.com
BAHRAIN	8000-4726	
JORDAN	800-22273	

51225-50000